BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

Name of Work: **Modified Estimate for Improvements to Roads and Drains at Venkatagiriyappa Layout, Seethappa Layout Roads and Surrounding areas in Ward No. 14 (Vidyaranyapura).**

Job Code: 014-23-000008

Estimated Cost:	**Rs. 25.00 Lakhs**
Approved Cost:	**Rs. 16.73 Lakhs**
Modified Cost:	**Rs. 16.72 Lakhs**

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- Modified Estimate for Improvements to Roads and Drains at Venkatagiriyappa Layout, Seethappa Layout Roads and Surrounding areas in Ward No. 14 (Vidyaranyapura).

Modified Est Cost. Rs 1672574.00

Sl No	Description of work	Unit	Mesurement				Qty.	Rate	Amount
			No.	L	B	D			
1	Earth work Excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. **(PWD SR 2021-22 Vol -I Pg No 5 item no 1.4.1)**	Cum							
	New Drain								
	Venkatagiriyappa Layout								
	1st Cross Road		1	14.40	1.00	1.00	14.40		
			1	20.00	1.00	1.00	20.00		
	1st Main Road								
			1	26.10	1.00	1.00	26.10		
	7th Cross Road								
	E/S		1	44.10	1.00	1.00	44.10		
	W/S		1	43.90	1.00	1.00	43.90		
	Seethappa Layout 1st Cross								
	W/S		1	13.00	1.00	1.00	13.00		
			1	18.30	1.00	1.00	18.30		
	Seethappa Layout 1st Cross								
	Opp Road W/S		1	25.00	1.00	1.00	25.00		
			1	31.50	1.00	1.00	31.50		
	Total						**236.30**	161.60	**38186.00**

6. Copy to file.

l No	Description of work	Unit	Mesurement				Qty.	Rate	Amount
			No.	L	B	D			
	Providing and laying in position Plain Cement Concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. **(PWD SR 2021-22 Vol -1 Pg 15 item no 2.1.3)**	Cum							
	New Drain								
	Venkatagiriyappa Layout								
	1st Cross Road		1	14.40	1.00	0.15	2.16		
			1	20.00	1.00	0.15	3.00		
	1st Main Road								
			1	26.10	1.00	0.15	3.92		
	7th Cross Road								
	E/S		1	44.10	1.00	0 15	6.62		
	W/S		1	43.90	1.00	0.15	6.59		
	Seethappa Layout 1st Cross								
	W/S		1	13.00	1.00	0.15	1.95		
			1	18.30	1.00	0.15	2.75		
	Opp Road W/S								
			1	25.00	1.00	0.15	3.75		
			1	31.50	1.00	0.15	4.73		
	Total						**35.45**	4826.40	**171072.00**

No	Description of work	Unit	Mesurement				Qty.	Rate	Amount
			No.	L	B	D			
	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately) **(PWD SR 2021-22 Vol -I Pg 17 item no 2.4.2))**	Cum							
	New Drain								
	Raft								
	Venkatagiriyappa Layout								
	1st Cross Road		1	14.40	0.90	0.15	1.94		
			1	20.00	0.90	0.15	2.70		
	1st Main Road								
			1	26.10	0.90	0.15	3.52		
	7th Cross Road								
	E/S		1	44.10	0.90	0.15	5.95		
	W/S		1	43.90	0.90	0.15	5.92		
	Seethappa Layout 1st Cross								
	W/S		1	13.00	0.90	0.15	1.75		
			1	18.30	0.90	0.15	2.47		
	Opp Road W/S								
			1	25.00	0.90	0.15	3.37		
			1	31.50	0.90	0.15	4.25		
	Side Wall								
	Venkatagiriyappa Layout								
	1st Cross Road		2	14.40	0.15	0.60	2.59		
			2	20.00	0.15	0.58	3.48		
	1st Main Road								
			2	26.10	0.15	0.58	4.54		
	7th Cross Road								
	E/S		2	44.10	0.15	0.61	8.07		
	W/S		2	43.90	0.15	0.61	8.03		
	Seethappa Layout 1st Cross								
	W/S		2	13.00	0.15	0.60	2.34		
			2	18.30	0.15	0.60	3.29		
	Opp Road W/S								

No	Description of work	Unit	Mesurement				Qty.	Rate	Amount
			No.	L	B	D			
			2	25.00	0.15	0.60	4.50		
			2	31.50	0.15	0.60	5.67		
4	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600&2200 **(PWD SR 2021-22 Vol -III Pg 99 item no 13.1)**						**74.39**	5445.50	**405098.00**
	For Drain	Tonne							
		Cum					74.39		
		kg	Steel assumed 60 Kg / Cum of Concrete				0.06		
		tonne					**4.46**		
	Total						**4.46**	80095.70	**357506.00**
5	Providing and Fixing pre cast Covering Slab made out of CC 1:2:4 with **10cm** thick and Finishing cutting, including form work,curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, copmplete. **(Approved Data Rate)**	Sqm							
	Covering Slab								
	Venkatagiriyappa Layout								
	1st Cross Road		1	14.40	0.90		12.96		
			1	20.00	0.90		18.00		
	1st Main Road								
			1	26.10	0.90		23.49		
	7th Cross Road								
	E/S		1	44.10	0.90		39.69		
	W/S		1	43.90	0.90		39.51		
	Seethappa Layout 1st Cross								
	W/S		1	13.00	0.90		11.70		
			1	18.30	0.90		16.47		
	Opp Road W/S								
			1	25.00	0.90		22.50		
			31	0.60	0.90		16.74		
			17	0.60	0.90		9.18		
			1	100.00	0.90		90.00		
			1	100.00	0.90		90.00		
			1	13.00	0.90		11.70		
	Total						**401.94**		
	Qty upto 125%						**311.63**	1636.90	**510099.00**
	Qty above 125%						**90.32**	1636.88	**147835.00**

No	Description of work		No.	Mesurement L	B	D	Qty.	Rate	Amount
	Basic Rate	2072.00							
	Tender Premium @ -21.00%	-435.12							
	Total	**1636.88**							
6	Loading and Unloading of Stone Boulder / Stone aggregates / Sand / Kankar / Moorum. (Tipper 14 m3) **(PWD SR 2021-22 Vol-III Page No.3, Item No.1.1C)**	Cum							
	Qty Vide Item No- (1)						236.30		
	Total						**236.30**	64.30	**15194.00**
7	Cost of Haulage Excluding Loading and Unloading Taking output 18 t load and lead 10 km = 180 t.km **(PWD SR 2021-22 Vol-III Page No.3, Item No.1.4B)**	T.Km							
	Qty frm Item No-06			236.30	1.28		302.46		
	Total						**302.46**	91.20	**27584.00**
								Grand Total	**1672574.00**

Rupees Sixteen Lakh(s) Seventy Two Thousand Five Hundred Seventy Four Only

Assistant Engineer
Ward No. 14, Vidyaranyapura

Assistant Executive Engineer
Vidyaranyapura Sub Division

Executive Engineer
Byatarayanapura Division

Technical Sanction
Accorded For .....
Head of A/C..P-3726
CER NO TS/96/23-24 dt.15/03/2023